Author Index

ABO T. *see* MATSUMOTO Y.
AGUI T. *see* SAKAI T.
ALFA M.J. *see* KWOK A.Y.C.
ALON R. *see* HERSHKOVIZ R.
ALVAREZ A. *see* BAÑULS M.P.
AMARAL M.C., CASILLAS A.M. & NEL A.E. Contrasting effects of two tumour promoters, phorbol myristate acetate and okadaic acid, on T-cell responses and activation of p42 MAP-kinase/ERK-2, 24
see also FAIRHURST R.M.
ANASETTI C. *see* VOLTARELLI J.C.
ANDERSSON J.P. *see* ANDERSSON U.G.
ANDERSSON U.G., BJÖRK L., SKANSÉN-SAPHIR U. & ANDERSSON J.P. Down-regulation of cytokine production and interleukin-2 receptor expression by pooled human IgG, 211
ANDREW E.M. *see* SCOTT B.B.
ARAKI Y. *see* YAMASHITA T.
ARAMAKI Y., MURAI M. & TSUCHIYA S. Contribution of *N*-acetyl-β-D-galactosamine-specific lectin to Fc receptor-mediated phagocytosis by mouse peritoneal macrophages, 403
ARDAVIN C. *see* BAÑULS M.P.
ASHKENAZI A. *see* HAAK-FRENDSCHO M.
ASHMAN L.K. *see* NILSSON G.
ASSREUY J. *see* CUNHA F.Q.
AVRAMEAS S. *see* MATSIOTA-BERNARD P.
AYALA A., MELDRUM D.R., PERRIN M.M. & CHAUDRY I.H. The release of transforming growth factor-β following haemorrhage: its role as a mediator of host immunosuppression, 479

BACON K.B. *see* FLORES-ROMO L.
BAKRI M.T. *see* TAMURA K.
BANKHURST A.D. *see* WHALEN M.M.
BANSAL A.S., OLLIER W., MARSH M.N., PUMPHREY R.S.H. & WILSON P.B. Variations in serum sCD23 in conditions with either enhanced humoral or cell-mediated immunity, 285
BAÑULS M.P., ALVAREZ A., FERRERO I., ZAPATA A. & ARDAVIN C. Cell-surface marker analysis of rat thymic dendritic cells, 298
BARTON K. *see* CALDER V.L.
BASARABA R.J., BROWN P.R., LAEGREID W.W., SILFLOW R.M., EVERMANN J.F. & LEID R.W. Suppression of lymphocyte proliferation by parainfluenza virus type 3-infected bovine alveolar macrophages, 179
BAZIN H. *see* VANHOVE B.
BATE C.A.W., TAVERNE J., KWIATKOWSKI D. & PLAYFAIR J.H.L. Phospholipids coupled to a carrier induce IgG antibody that blocks tumour necrosis factor induction by toxic malaria antigens, 138
BATEY R.T. *see* PANG G.
BAUER R. *see* MÜLLER C.
BAXT B. *see* BORCA M.V.
BAYOUMI R.A.L. *see* JAKOBSEN P.H.
BENAISSA-TROUW B.J. *see* CORNELISSEN J.J.
BERTINI R., GARATTINI S., DELGADO R. & GHEZZI P. Pharmacological activities of chlorpromazine involved in the inhibition of tumour necrosis factor production *in vivo* in mice, 217
BETTS W.H. *see* WOZNIAK A.
BINGYAN W. *see* KIZAKI T.
BINNS R.M. *see* YANG H.
BIRD P. *see* FALCONER A.E.
BJÖRK L. *see* ANDERSSON U.G.
BJÖRKLUND M. *see* DOHLSTEN M.
BLAND P.W. & WHITING C.V. Differential control of major histocompatibility complex class II I-E^k_α protein expression in the epithelium and in subsets of lamina propria antigen-presenting cells of the gut, 107
BODGER M.P. *see* NILSSON G.
BORCA M.V., GARMENDIA A.E., BAXT B., MOORE D.M., SRIKUMARAN S. & MORGAN D.O. Cross-reactive idiotopes among anti-foot and mouth disease virus neutralizing antibodies, 368
BOUT D.T. *see* DIMIER I.H.
BRANDON M.R. *see* VERHAGEN A.M.
BRAQUET P. *see* PETIT-FRERE C.
BREALEY R. *see* LAMBERT C.
BREEN K.C. *see* MURPHY A.
BROWN P.R. *see* BASARABA R.J.
BUCHAN G. *see* HESKETH J.
BURET A. *see* PANG G.
BURNHAM K., PICKARD S., HUDSON J. & VOSS T. Requirements for Langerhans' cell depletion following *in vitro* exposure of murine skin to ultraviolet-B, 627

CAHALON L. *see* HERSHKOVIZ R.
CALDER V.L., ZHAO Z.S., WANG Y., BARTON K. & LIGHTMAN S.L. Effects of CD8 depletion on retinal soluble antigen induced experimental autoimmune uveoretinitis, 255
see also HART D.N.J.
CALVERT J.E. *see* FALCONER A.E.
CAMERON K. *see* RICHARDSON D.R.
CAMPBELL R.D. *see* SACKS S.H.
CAPLAN A. *see* ISRAEL E.J.
CARON E. *see* TAIMI M.
CARSON R. *see* FALCONER A.E.
CARTER E.A. *see* SANDERSON I.R.
CASEY E.B. *see* MURPHY A.
CASILLAS A.M. *see* AMARAL M.C.
CHAMOW S.M. *see* HAAK-FRENDSCHO M.
CHANH T.C. & HEWETSON J.F. Polyclonal anti-idiotypes induce antibody responses protective against ricin cytotoxicity, 681
CHARLOT B. *see* GALELLI A.
CHAUDRY I.H. *see* AYALA A.
CHEN Q.Y. *see* PANG G.
CHENG P.P.-J., SREEDHARAN S.P., KISHIYAMA J.L. & GOETZL E.J. The SKW 6.4 line of human B lymphocytes specifically binds and responds to vasoactive intestinal peptide, 64
see also ROBICHON A.
CHU J.W.K. & SHAROM F.J. Gangliosides inhibit T-lymphocyte proliferation by preventing the interaction of interleukin-2 with its cell surface receptors, 10
CLAËSSON M.H. *see* RÖPKE M.
CLANCY R. *see* PANG G.
COAD A.J. *see* THOMPSON S.J.
COLLINS P.D., WEG V.B., FACCIOLI L.H., WATSON M.L., MOQBEL R. & WILLIAMS T.J. Eosinophil accumulation induced by human interleukin-8 in the guinea-pig *in vivo*, 312
COMMES T. *see* TAIMI M.
CORNELISSEN J.J., MAASSEN K., VAN EMST L., WEERS P.M.M., HARMSEN M., BENAISSA-TROUW B.J., OOSTERLAKEN T.A.M., KRAAIJEVELD C.A. & VERHOEF J. Anti-idiotypic immunization provides protection against lethal endotoxaemia in BALB/c mice, 673
COSSENS I.A. *see* WOOD P.J.
COUCH L. *see* PANG G.
CRIPPS A. *see* PANG G.
CUNHA F.Q., ASSREUY J., MONCADA S. & LIEW F.Y. Phagocytosis and induction of nitric oxide synthase in murine macrophages, 408
CUZNER M.L. *see* LOUGHLIN A.J.

DAEIPOUR M. *see* FAIRHURST R.M.

Author Index

ABO T. *see* MATSUMOTO Y.
AGUI T. *see* SAKAI T.
ALFA M.J. *see* KWOK A.Y.C.
ALON R. *see* HERSHKOVIZ R.
ALVAREZ A. *see* BAÑULS M.P.
AMARAL M.C., CASILLAS A.M. & NEL A.E. Contrasting effects of two tumour promoters, phorbol myristate acetate and okadaic acid, on T-cell responses and activation of p42 MAP-kinase/ERK-2, 24
see also FAIRHURST R.M.
ANASETTI C. *see* VOLTARELLI J.C.
ANDERSSON J.P. *see* ANDERSSON U.G.
ANDERSSON U.G., BJÖRK L., SKANSÉN-SAPHIR U. & ANDERSSON J.P. Down-regulation of cytokine production and interleukin-2 receptor expression by pooled human IgG, 211
ANDREW E.M. *see* SCOTT B.B.
ARAKI Y. *see* YAMASHITA T.
ARAMAKI Y., MURAI M. & TSUCHIYA S. Contribution of *N*-acetyl-β-D-galactosamine-specific lectin to Fc receptor-mediated phagocytosis by mouse peritoneal macrophages, 403
ARDAVIN C. *see* BAÑULS M.P.
ASHKENAZI A. *see* HAAK-FRENDSCHO M.
ASHMAN L.K. *see* NILSSON G.
ASSREUY J. *see* CUNHA F.Q.
AVRAMEAS S. *see* MATSIOTA-BERNARD P.
AYALA A., MELDRUM D.R., PERRIN M.M. & CHAUDRY I.H. The release of transforming growth factor-β following haemorrhage: its role as a mediator of host immunosuppression, 479

BACON K.B. *see* FLORES-ROMO L.
BAKRI M.T. *see* TAMURA K.
BANKHURST A.D. *see* WHALEN M.M.
BANSAL A.S., OLLIER W., MARSH M.N., PUMPHREY R.S.H. & WILSON P.B. Variations in serum sCD23 in conditions with either enhanced humoral or cell-mediated immunity, 285
BAÑULS M.P., ALVAREZ A., FERRERO I., ZAPATA A. & ARDAVIN C. Cell-surface marker analysis of rat thymic dendritic cells, 298
BARTON K. *see* CALDER V.L.
BASARABA R.J., BROWN P.R., LAEGREID W.W., SILFLOW R.M., EVERMANN J.F. & LEID R.W. Suppression of lymphocyte proliferation by parainfluenza virus type 3-infected bovine alveolar macrophages, 179
BAZIN H. *see* VANHOVE B.
BATE C.A.W., TAVERNE J., KWIATKOWSKI D. & PLAYFAIR J.H.L. Phospholipids coupled to a carrier induce IgG antibody that blocks tumour necrosis factor induction by toxic malaria antigens, 138
BATEY R.T. *see* PANG G.
BAUER R. *see* MÜLLER C.
BAXT B. *see* BORCA M.V.
BAYOUMI R.A.L. *see* JAKOBSEN P.H.
BENAISSA-TROUW B.J. *see* CORNELISSEN J.J.
BERTINI R., GARATTINI S., DELGADO R. & GHEZZI P. Pharmacological activities of chlorpromazine involved in the inhibition of tumour necrosis factor production *in vivo* in mice, 217
BETTS W.H. *see* WOZNIAK A.
BINGYAN W. *see* KIZAKI T.
BINNS R.M. *see* YANG H.
BIRD P. *see* FALCONER A.E.
BJÖRK L. *see* ANDERSSON U.G.
BJÖRKLUND M. *see* DOHLSTEN M.
BLAND P.W. & WHITING C.V. Differential control of major histocompatibility complex class II I-E^k_α protein expression in the epithelium and in subsets of lamina propria antigen-presenting cells of the gut, 107
BODGER M.P. *see* NILSSON G.
BORCA M.V., GARMENDIA A.E., BAXT B., MOORE D.M., SRIKUMARAN S. & MORGAN D.O. Cross-reactive idiotopes among anti-foot and mouth disease virus neutralizing antibodies, 368
BOUT D.T. *see* DIMIER I.H.
BRANDON M.R. *see* VERHAGEN A.M.
BRAQUET P. *see* PETIT-FRERE C.
BREALEY R. *see* LAMBERT C.
BREEN K.C. *see* MURPHY A.
BROWN P.R. *see* BASARABA R.J.
BUCHAN G. *see* HESKETH J.
BURET A. *see* PANG G.
BURNHAM K., PICKARD S., HUDSON J. & VOSS T. Requirements for Langerhans' cell depletion following *in vitro* exposure of murine skin to ultraviolet-B, 627

CAHALON L. *see* HERSHKOVIZ R.
CALDER V.L., ZHAO Z.S., WANG Y., BARTON K. & LIGHTMAN S.L. Effects of CD8 depletion on retinal soluble antigen induced experimental autoimmune uveoretinitis, 255
see also HART D.N.J.
CALVERT J.E. *see* FALCONER A.E.
CAMERON K. *see* RICHARDSON D.R.
CAMPBELL R.D. *see* SACKS S.H.
CAPLAN A. *see* ISRAEL E.J.
CARON E. *see* TAIMI M.
CARSON R. *see* FALCONER A.E.
CARTER E.A. *see* SANDERSON I.R.
CASEY E.B. *see* MURPHY A.
CASILLAS A.M. *see* AMARAL M.C.
CHAMOW S.M. *see* HAAK-FRENDSCHO M.
CHANH T.C. & HEWETSON J.F. Polyclonal anti-idiotypes induce antibody responses protective against ricin cytotoxicity, 681
CHARLOT B. *see* GALELLI A.
CHAUDRY I.H. *see* AYALA A.
CHEN Q.Y. *see* PANG G.
CHENG P.P.-J., SREEDHARAN S.P., KISHIYAMA J.L. & GOETZL E.J. The SKW 6.4 line of human B lymphocytes specifically binds and responds to vasoactive intestinal peptide, 64
see also ROBICHON A.
CHU J.W.K. & SHAROM F.J. Gangliosides inhibit T-lymphocyte proliferation by preventing the interaction of interleukin-2 with its cell surface receptors, 10
CLAËSSON M.H. *see* RÖPKE M.
CLANCY R. *see* PANG G.
COAD A.J. *see* THOMPSON S.J.
COLLINS P.D., WEG V.B., FACCIOLI L.H., WATSON M.L., MOQBEL R. & WILLIAMS T.J. Eosinophil accumulation induced by human interleukin-8 in the guinea-pig *in vivo*, 312
COMMES T. *see* TAIMI M.
CORNELISSEN J.J., MAASSEN K., VAN EMST L., WEERS P.M.M., HARMSEN M., BENAISSA-TROUW B.J., OOSTERLAKEN T.A.M., KRAAIJEVELD C.A. & VERHOEF J. Anti-idiotypic immunization provides protection against lethal endotoxaemia in BALB/c mice, 673
COSSENS I.A. *see* WOOD P.J.
COUCH L. *see* PANG G.
CRIPPS A. *see* PANG G.
CUNHA F.Q., ASSREUY J., MONCADA S. & LIEW F.Y. Phagocytosis and induction of nitric oxide synthase in murine macrophages, 408
CUZNER M.L. *see* LOUGHLIN A.J.

DAEIPOUR M. *see* FAIRHURST R.M.

DAISH A., STARLING G.C., McKENZIE J.L., NIMMO J.C., JACKSON D.G. & HART D.N.J. Expression of the CMRF-35 antigen, a new member of the immunoglobulin gene superfamily, is differentially regulated on leucocytes, 55
DAY M.J. *see* THOMPSON S.J.
DAY N.K. *see* KIZAKI T.
DE BOER M. *see* KWEKKEBOOM J.
DE GROOT C. *see* KWEKKEBOOM J.
DE SMET W., WALTER H. & VAN HOVE L. A new CD43 monoclonal antibody induces homotypic aggregation of human leucocytes through a CD11a/CD18-dependent and -independent mechanism, 46
DEACON M. *see* HASSELL A.B.
DEFACQUE H. *see* TAIMI M.
DELGADO R. *see* BERTINI R.
DEMAINE A.G. *see* HIBBERD M.L.
DÉRIAUD E. *see* GALELLI A.
DIMIER I.H. & BOUT D.T. Co-operation of interleukin-1β and tumour necrosis factor-α in the activation of human umbilical vein endothelial cells to inhibit *Toxoplasma gondii* replication, 336
DOBBELAERE D. *see* HESKETH J.
DOHLSTEN M., BJÖRKLUND M., SUNDSTEDT A., HEDLUND G., SAMSON D. & KALLAND T. Immunopharmacology of the superantigen staphylococcal enterotoxin A in T-cell receptor Vβ3 transgenic mice, 520
DOMINGUEZ M. *see* IBRAHIM L.
DORNAND J. *see* TAIMI M.
DOSHI R.N. *see* WHALEN M.M.
DUGAS B. *see* PETIT-FRERE C.
DURGAPAL H. *see* MISHRA A.

ELSLEY W.A.J. *see* STAGG A.J.
ELSON C.J. *see* THOMPSON S.J.
ESHHAR Z. *see* GOROCHOV G.
ESTOPPEY D. *see* FLORES-ROMO L.
EVERMANN J.F. *see* BASARABA R.J.

FACCIOLI L.H. *see* COLLINS P.D.
FAIRHURST R.M., DAEIPOUR M., AMARAL M.C. & NEL A.E. Activation of mitogen-activated protein kinase/ERK-2 in phytohaemagglutinin blasts by recombinant interleukin-2: contrasting features with CD3 activation, 112
FALCONER A.E., CARSON R., JOHNSTONE R., BIRD P., KEHOE M. & CALVERT J.E. Distinct IgG1 and IgG3 subclass responses to two streptococcal protein antigens in man: analysis of antibodies to streptolysin O and M protein using standardized subclass-specific enzyme-linked immunosorbent assay, 89
FAVERO J. *see* TAIMI M.
FEIGHERY C. *see* MURPHY A.
FERNAN A. *see* SUHRBIER A.
FERNANDEZ N. *see* WILSON K.M.
FERNANDO N.S. *see* HART D.N.J.
FERRERO I. *see* BAÑULS M.P.
FLORES-ROMO L., ESTOPPEY D. & BACON K.B. Anti-CD40 antibody stimulates the VLA-4-dependent adhesion of normal and LFA-1-deficient B cells to endothelium, 445
FORSBERG K. *see* NILSSON G.
FRAKER P.J. *see* GARVY B.A.
FREIBERG E. *see* ISRAEL E.J.
FUJIWARA M. *see* IKARASHI Y.

GALELLI A., CHARLOT B., DÉRIAUD E. & LECLERC C. B cells do not present antigen covalently linked to microspheres, 69
GARATTINI S. *see* BERTINI R.
GARMENDIA A.E. *see* BORCA M.V.
GARRED P. *see* HUEMER H.P.
GARVY B.A., TELFORD W.G., KING L.E. & FRAKER P.J. Glucocorticoids and irradiation-induced apoptosis in normal murine bone marrow B-lineage lymphocytes as determined by flow cytometry, 270
GASTON J.S.H. *see* HASSELL A.B.
GHEZZI P. *see* BERTINI R.
GILAT D. *see* HERSHKOVIZ R.
GJERSET G. *see* VOLTARELLI J.C.
GOETZL E.J. *see* CHENG P.P.-J.
see also ROBICHON A.
GOOD R.A. *see* KIZAKI T.
GOROCHOV G., GROSS G., WAKS T. & ESHHAR Z. Anti-leucocyte function-associated antigen-1 antibodies inhibit T-cell activation following low-avidity and adhesion-independent interactions, 548
GREENWOOD B.M. *see* JAKOBSEN P.H.
GRIFFIN J.F.T. *see* HESKETH J.
GRIFFIN M. *see* KNIGHT C.R.L.
GRONROOS E.C. *see* ROBICHON A.
GROSS G. *see* GOROCHOV G.
GYOTOKU J. *see* HOSONO M.

HAAK-FRENDSCHO M., MARSTERS S.A., CHAMOW S.M., PEERS D.H., SIMPSON N.J. & ASHKENAZI A. Inhibition of interferon-γ by an interferon-γ receptor immunoadhesion, 594
HALLIDAY G.M. & LUCAS A.D. Protein kinase C transduces the signal for Langerhans' cell migration from the epidermis, 621
HAMAGUCHI M. *see* ZHANG Y.H.
HAMMARSTRÖM M.-L. *see* LUNDQVIST C.
HAMMERBERG B. *see* SCHREUER D.
HAMPSON J., McLAUGHLIN P.J. & JOHNSON P.M. Low-affinity receptors for tumour necrosis factor-α, interferon-γ and granulocyte–macrophage colony-stimulating factor are expressed on human placental syncytiotrophoblast, 485
HANAWA H. *see* MATSUMOTO Y.
HARMATZ P.R. *see* SANDERSON I.R.
HARMSEN M. *see* CORNELISSEN J.J.
HARPER N. *see* THOMPSON S.J.
HART D.N.J., STARLING G.C., CALDER V.L. & FERNANDO N.S. B7/BB-1 is a leucocyte differentiation antigen on human dendritic cells induced by activation, 616
see also DAISH A.
HASSELL A.B., REYNOLDS D.J., DEACON M., GASTON J.S.H. & PEARCE J.H. Identification of T-cell stimulatory antigens of *Chlamydia trachomatis* using synovial fluid-derived T-cell clones, 513
HEDLUND G. *see* DOHLSTEN M.
HERSHKOVIZ R., ALON R., MEKORI Y.A., GILAT D., CAHALON L., MILLER A. & LIDER O. Heat-stressed CD4$^+$ T lymphocytes: differential modulations of adhesiveness to extracellular matrix glycoproteins, proliferative responses and tumour necrosis factor-α secretion, 241
HESKETH J., DOBBELAERE D., GRIFFIN J.F.T. & BUCHAN G. Detection of proliferating cell nuclear antigens and interleukin-2β receptor molecules on mitogen- and antigen-stimulated lymphocytes, 465
HEWETSON J.F. *see* CHANH T.C.
HIBBERD M.L., WONG F.S., NICHOLSON L.B. & DEMAINE A.G. Analysis of human T-cell receptor Vβ gene usage following immunization to tetanus toxoid *in vivo*, 398
HILL L.D., SUN L., LEUSCHEN M.P. & ZACH T.L. C3 synthesis by A549 alveolar epithelial cells is increased by interferon-γ and dexamethasone, 236
HØIER-MADSEN M. *see* JAKOBSEN P.H.
HOMMA Y. *see* WHALEN M.M.
HOSONO M., IDEYAMA S., GYOTOKU J. & KATSURA Y. Population movement and fate of autoreactive Vβ6$^+$ T cells in Mls-1^a mice, 391
HUANG S.-K. *see* KUMAI M.
HUDSON J. *see* BURNHAM K.
HUEMER H.P., WANG Y., GARRED P., KOISTINEN V. & OPPERMANN S. Herpes simplex virus glycoprotein C: molecular mimicry of complement regulatory proteins by a viral protein, 639
HVIID L. *see* JAKOBSEN P.H.

IBRAHIM L., DOMINGUEZ M. & YACOUB M. Primary human adult lung epithelial cells *in vitro*: response to interferon-γ and cytomegalovirus, 119
IDEYAMA S. *see* HOSONO M.
IKARASHI Y., KAWAI K., WATANABE H., MATSUMOTO Y., OMATA S. & FUJIWARA M. Immunosuppressive activity of macrophages in mice undergoing graft-versus-host reaction due to major histocompatibility complex class I plus II difference, 95

IMAMICHI T. *see* MURAKAMI Y.
IRANI A.-M.A. *see* NILSSON G.
ISHIGE M. *see* KIZAKI T.
ISHIGURO N. *see* KONDO S.
ISHIZAKA T. *see* NILSSON G.
ISOBE K. *see* KONDO S.
see also ZHANG Y.H.
ISODA R. *see* MURAKAMI S.
ISRAEL E.J., SIMISTER N., FREIBERG E., CAPLAN A. & WALKER W.A. Immunoglobulin G binding sites on the human foetal intestine: a possible mechanism for the passive transfer of immunity from mother to infant, 77
ISSEKUTZ A.C. & LOPES N. Endotoxin activation of endothelium for polymorphonuclear leucocyte transendothelial migration and modulation of interferon-γ, 600

JACKSON D.G. *see* DAISH A.
JAKOBSEN P.H., MORRIS-JONS S.D., HVIID L., THEANDER T.G., HØIER-MADSEN M., BAYOUMI R.A.L. & GREENWOOD B.M. Anti-phospholipid antibodies in patients with *Plasmodium falciparum* malaria, 653
JAY F.T. *see* KWOK A.Y.C.
JOHNSON P.M. *see* HAMPSON J.
JOHNSON T. *see* KNIGHT C.R.L.
JOHNSTONE R. *see* FALCONER A.E.
JOHNSTONE R.W., LOVELAND B.E. & McKENZIE I.F.C. Identification and quantification of complement regulator CD46 on normal human tissues, 341

KALLAND T. *see* DOHLSTEN M.
KAMO I., KUNISHITA T., KIKUCHI A., NONAKA I. & KOMIYAMA A. Characterization of a macrophage lineage cell colony-stimulating factor produced by thymic myoid cells, 103
KATO M. *see* ZHANG Y.H.
KATSURA Y. *see* HOSONO M.
KAWAI K. *see* IKARASHI Y.
KEHOE M. *see* FALCONER A.E.
KELLEHER D. *see* MURPHY A.
KEMENY D.M. *see* NOBLE A.
KIKUCHI A. *see* KAMO I.
KIMBER I. *see* MOODYCLIFFE A.M.
KING L.E. *see* GARVY B.A.
KIRBY J.A. *see* LIN Y.
KISHIYAMA J.L. *see* CHENG P.P.-J.
KIZAKI T., ISHIGE M., BINGYAN W., DAY N.K., GOOD R.A. & ONOÉ K. Generation of $CD8^+$ suppressor T cells by protoscoleces of *Echinococcus multilocularis in vitro*, 412
KNIGHT C.R.L., REES R.C., PLATTS A., JOHNSON T. & GRIFFIN M. Interleukin-2-activated human effector lymphocytes mediate cytotoxicity by inducing apoptosis in human leukaemia and solid tumour target cells, 535
KNIGHT S.C. *see* STAGG A.J.
KOGA Y. *see* MAEDA Y.
KOISTINEN V. *see* HUEMER H.P.
KOMIYAMA A. *see* KAMO I.
KONDO S., ISOBE K., ISHIGURO N., NAKASHIMA I. & MIURA T. Transforming growth factor-β1 enhances the generation of allospecific cytotoxic T lymphocytes, 459
KRAAIJEVELD C.A. *see* CORNELISSEN J.J.
KRISHNASWAMY G. *see* KUMAI M.
KUKEL S. *see* MÜLLER C.
KUMAI M., KRISHNASWAMY G., MARSH D.G. & HUANG S.-K. The effect of interferon-γ, interleukin-4 and immunoglobulin receptor cross-linking of monocytes on allergen-specific T-cell response, 174
KUNISHITA T. *see* KAMO I.
KUNTZ L. *see* TIBERGHIEN F.
KURTZ C.B. *see* TAN S.S.
KWEKKEBOOM J., DE BOER M., TAGER J.M. & DE GROOT C. CD40 plays an essential role in the activation of human B cells by murine EL4B5 cells, 439
KWIATKOWSKI D. *see* BATE C.A.W.
KWOK A.Y.C., ZU X., YANG C., ALFA M.J. & JAY F.T. Human interferon-γ has three domains associated with its antiviral function: a neutralizing epitope typing scheme for human interferon-γ, 131

LABETA M.O. *see* WILSON K.M.
LAEGREID W.W. *see* BASARABA R.J.
LAMBERT C., BREALEY R., STEELE J. & ROOK G.A.W. The interaction of Tamm–Horsfall protein with the extracellular matrix, 203
LECLERC C. *see* GALELLI A.
LEID R.W. *see* BASARABA R.J.
LEUSCHEN M.P. *see* HILL L.D.
LEVI-SHAFFER F. *see* SHALIT M.
LIDER O. *see* HERSHKOVIZ R.
LIEW F.Y. *see* CUNHA F.Q.
LIGHTMAN S.L. *see* CALDER V.L.
LIN Y., PROUD G., TAYLOR R.M.R. & KIRBY J.A. Renal allograft rejection: protection of renal epithelium from natural killer cells by cytokine-induced up-regulation of class I major histocompatibility antigens, 290
LONG A. *see* MURPHY A.
LOOR F. *see* TIBERGHIEN F.
LOPES N. *see* ISSEKUTZ A.C.
LOUGHLIN A.J., WOODROOFE M.N. & CUZNER M.L. Modulation of interferon-γ-induced major histocompatibility complex class II and Fc receptor expression on isolated microglia by transforming growth factor-β1, interleukin-4, noradrenaline and glucocorticoids, 125
LOVELAND B.E. *see* JOHNSTONE R.W.
LUCAS A.D. *see* HALLIDAY G.M.
LUNDQVIST C. & HAMMARSTRÖM M.-L. T-cell receptor $\gamma\delta$-expressing intraepithelial lymphocytes are present in normal and chronically inflamed human gingiva, 38
LWIN T. *see* ZHANG Y.H.

MAASSEN K. *see* CORNELISSEN J.J.
McKENZIE I.F.C. *see* JOHNSTONE R.W.
McKENZIE J.L. *see* DAISH A.
McLAUGHLIN P.J. *see* HAMPSON J.
MAEDA Y., KOGA Y., TANAKA K., ZHANG X.-Y. & NOMOTO K. Increase of Thy-1 antigen on the thymocytes accompanied with their augmented adhesion capacity to thymic epithelial cells in the mice infected with *Listeria monocytogenes*, 196
MAGEED R.A.K. *see* SCOTT B.B.
MAHANA W. *see* MATSIOTA-BERNARD P.
MAINI R.N. *see* SCOTT B.B.
MALYGIN A.M. *see* TIMONEN T. Non-major histocompatibility complex-restricted killer cells in human cord blood: generation and cytotoxic activity in recombinant interleukin-2-supplemented cultures, 506
MANIVEL V. *see* MISHRA A.
MARSH D.G. *see* KUMAI M.
MARSH M.N. *see* BANSAL A.S.
MARSTERS S.A. *see* HAAK-FRENDSCHO M.
MARTI J. *see* TAIMI M.
MARTIN J. *see* SACKS S.H.
MATSIOTA-BERNARD P., MAHANA W., AVRAMEAS S. & NAUCIEL C. Specific and natural antibody production during *Salmonella typhimurium* infection in genetically susceptible and resistant mice, 375
MATSUMOTO K. *see* SAKAI T.
MATSUMOTO S. *see* UMESAKI Y.
MATSUMOTO Y., HANAWA H., TSUCHIDA M. & ABO T. *In situ* inactivation of infiltrating T cells in the central nervous system with autoimmune encephalomyelitis. The role of astrocytes, 381
MATSUMOTO Y. *see* IKARASHI Y.
MAYHEW E. *see* NIEDERKORN J.Y.
MEKORI Y.A. *see* HERSHKOVIZ R.
MELDRUM D.R. *see* AYALA A.
MENCIA-HUERTA J.M. *see* PETIT-FRERE C.
MIKI Y. *see* MURAKAMI S.
MILLER A. *see* HERSHKOVIZ R.
MISHRA A., RAO K.V.S., DURGAPAL H., MANIVEL V. & PANDA S.K. Human T-helper cell responses to a synthetic peptide derived from the hepatitis B surface antigen, 362
MIURA T. *see* KONDO S.
MONCADA S. *see* CUNHA F.Q.
MOODYCLIFFE A.M., NORVAL M., KIMBER I. & SIMPSON T.J.

Characterization of a monoclonal antibody to *cis*-urocanic acid: detection of *cis*-urocanic acid in the serum of irradiated mice by immunoassay, 667
MOORE D.M. *see* BORCA M.V.
MOQBEL R. *see* COLLINS P.D.
MORGAN D.O. *see* BORCA M.V.
MORRIS-JONES S.D. *see* JAKOBSEN P.H.
MU H.-H., PENNY R. & SEWELL W.A. Interleukin-5 is necessary for eosinophilia induced by cyclophosphamide in immunized mice, 452
MÜLLER C., KUKEL S. & BAUER R. Relationship of antibodies against $CD4^+$ T cells in HIV-infected patients to markers of activation and progression: autoantibodies are closely associated with CD4 cell depletion, 248
MURAI M. *see* ARAMAKI Y.
MURAKAMI S., SAHO T., SHIMABUKURO Y., ISODA R., MIKI Y. & OKADA H. Very late antigen integrins are involved in the adhesive interaction of lymphoid cells to human gingival fibroblasts, 425
MURAKAMI Y., IMAMICHI T. & NAGASAWA S. Characterization of C3a anaphylatoxin receptor on guinea-pig macrophages, 633
MURAMATSU Y. *see* SAKAI T.
MURPHY A., BREEN K.C., LONG A., FEIGHERY C., CASEY E.B. & KELLEHER D. Neurofilament expression in human T lymphocytes, 167
MURPHY G.A. *see* WOZNIAK A.

NAGASAWA S. *see* MURAKAMI Y.
NAGASE F. *see* ZHANG Y.H.
NAGELKERKEN L. *see* VAN DEN BERGH P.
NAKASHIMA I. *see* KONDO S.
see also ZHANG Y.H.
NARDELLI B. & TAM J.P. Cellular immune responses induced by *in vivo* priming with a lipid-conjugated multimeric antigen peptide, 355
NASH A.D. *see* VERHAGEN A.M.
NAUCIEL C. *see* MATSIOTA-BERNARD P.
NEL A.E. *see* AMARAL M.C.
see also FAIRHURST R.M.
NI K. *see* O'NEILL H.C.
NICHOLSON L.B. *see* HIBBERD M.L.
NIEDERKORN J.Y. & MAYHEW E. UVB irradiation renders corneal allografts tolerogenic for allospecific delayed hypersensitivity responses, 278
NILSSON G., FORSBERG K., BODGER M.P., ASHMAN L.K., ZSEBO K.M., ISHIZAKA T., IRANI A.-M.A. & SCHWARTZ L.B. Phenotypic characterization of stem cell factor-dependent human foetal liver-derived mast cells, 325
NIMMO J.C. *see* DAISH A.
NOBLE A., STAYNOV D.Z. & KEMENY D.M. Generation of rat Th2-like cells *in vitro* is interleukin-4-dependent and inhibited by interferon-γ, 562
NOMOTO K. *see* MAEDA Y.
NONAKA I. *see* KAMO I.
NORVAL M. *see* MOODYCLIFFE A.M.

O'NEILL H.C. & NI K. Characterization of unique lymphoid cells derived from murine spleen which constitutively produce interleukin-6, 220
O'TOOLE E.M. *see* TAN S.S.
OKADA H. *see* MURAKAMI S.
OKADA Y. *see* UMESAKI Y.
OLLIER W. *see* BANSAL A.S.
OMATA S. *see* IKARASHI Y.
ONOÉ K. *see* KIZAKI T.
OOSTERLAKEN T.A.M. *see* CORNELISSEN J.J.
OPPERMANN S. *see* HUEMER H.P.
OUELLETTE A.J. *see* SANDERSON I.R.

PANDA S.K. *see* MISHRA A.
PANG G., BURET A., BATEY R.T., CHEN Q.Y., COUGH L., CRIPPS A. & CLANCY R. Morphological phenotypic and functional characteristics of a pure population of $CD56^+$ $CD16^-$ $CD3^-$ large granular lymphocytes generated from human duodenal mucosa, 498
PANI A. *see* SACKS S.H.
PAWELEC G. *see* WILSON K.M.
PEARCE J.H. *see* HASSELL A.B.
PEERS D.H. *see* HAAK-FRENDSCHO M.
PENNY R. *see* MU H.-H.
PERRIN M.M. *see* AYALA A.
PETIT-FRERE C., DUGAS B., BRAQUET P. & MENCIA-HUERTA J.M. Interleukin-9 potentiates the interleukin-4-induced IgE and IgG1 release from murine B lymphocytes, 146
PFLUMIO F. *see* TIBERGHIEN F.
PICKARD S. *see* BURNHAM K.
PICKETT M.A. *see* STAGG A.J.
PICKHOLZ D. *see* SHALIT M.
PLATTS A. *see* KNIGHT C.R.L.
PLAYFAIR J.H.L. *see* BATE C.A.W.
PROUD G. *see* LIN Y.
PUMPHREY R.S.H. *see* BANSAL A.S.

RAINARD P. Activation of the classical pathway of complement by binding of bovine lactoferrin to unencapsulated *Streptococcus agalactiae*, 648
RAO K.V.S. *see* MISHRA A.
REES R.C. *see* KNIGHT C.R.L.
REYNOLDS D.J. *see* HASSELL A.B.
RICHARDSON D.R., CAMERON K., ROBINSON B. & TURNER K.J. The mechanisms of IgE uptake by human alveolar macrophages and a human B-lymphoblastoid cell line (Wil-2wt), 305
ROBICHON A., SREEDHARAN S.P., YANG J., SHAMES R.S., GRONROOS E.C., CHENG P.P.-J. & GOETZL E.J. Induction of aggregation of Raji human B-lymphoblastic cells by vasoactive intestinal peptide, 574
ROBINSON B. *see* RICHARDSON D.R.
ROKICINSKI M. *see* WOZNIAK A.
ROOK G.A.W. *see* LAMBERT C.
RÖPKE C. *see* RÖPKE M.
RÖPKE M., RÖPKE C. & CLAËSSON M.H. T-cell activation. VI. Inhibitory and stimulatory effects of anti-major histocompatibility complex class I antibodies in allogeneic mixed lymphocyte culture, 263
ROZING J. *see* VAN DEN BERGH P.

SACKS S.H., ZHOU W., PANI A., CAMPBELL R.D. & MARTIN J. Complement C3 gene expression and regulation in human glomerular epithelial cells, 348
SADIGH S. *see* SCOTT B.B.
SAHO T. *see* MURAKAMI S.
SAITO S. *see* YAMASHITA T.
SAKAI T., AGUI T., MURAMATSU Y., YAMADA T. & MATSUMOTO K. Dissociation of interleukin-2 production from the cell activation in response to the mitogenic lectin in peripheral $CD4^+$ T cells of LEC mutant rats, 491
SAMSON D. *see* DOHLSTEN M.
SANDERSON I.R., OUELLETTE A.J., CARTER E.A., WALKER W.A. & HARMATZ P.R. Differential regulation of B7 mRNA in enterocytes and lymphoid cells, 434
SCHMIDT C. *see* SUHRBIER A.
SCHREUER D. & HAMMERBERG B. Modulation of cellular and humoral immunity, and disease manifestation during onset of patency in *Brugia pahangi*-infected dogs, 658
SCHWARTZ L.B. *see* NILSSON G.
SCOTT B.B., SADIGH S., STOW M., MAGEED R.A.K., ANDREW E.M. & MAINI R.N. Anti-mouse red blood cell monoclonal antibodies use functionally rearranged genes from the V_H J558 family and are derived from the $CD5^-$ B-lymphocyte subpopulation, 568
SENDO F. *see* YAMASHITA T.
SETOYAMA H. *see* UMESAKI Y.
SEWELL W.A. *see* MU H.-H.
SHALIT M., PICKHOLZ D. & LEVI-SHAFFER F. Mast cells retain their responsiveness upon continuous and repetitive exposure to antigen, 319
SHAMES R.S. *see* ROBICHON A.
SHAROM F.J. *see* CHU J.W.K.
SHIMABUKURO Y. *see* MURAKAMI S.
SILFLOW R.M. *see* BASARABA R.J.

SIMISTER N. *see* ISRAEL E.J.
SIMPSON N.J. *see* HAAK-FRENDSCHO M.
SIMPSON T.J. *see* MOODYCLIFFE A.M.
SKANSÉN-SAPHIR U. *see* ANDERSSON U.G.
SREEDHARAN S.P. *see* CHENG P.P.-J.
see also ROBICHON A.
SRIKUMARAN S. *see* BORCA M.V.
STAGG A.J., ELSLEY W.A.J., PICKETT M.A., WARD M.E. & KNIGHT S.C. Primary human T-cell responses to the major outer membrane protein of *Chlamydia trachomatis*, 1
STAINES N.A. *see* THOMPSON S.J.
STARLING G.C. *see* DAISH A.
see also HART D.N.J.
STAYNOV D.Z. *see* NOBLE A.
STEELE J. *see* LAMBERT C.
STOW M. *see* SCOTT B.B.
SUHRBIER A., SCHMIDT C. & FERNAN A. Prediction of an HLA B8-restricted influenza epitope by motif, 171
SUN L. *see* HILL L.D.
SUNDSTEDT A. *see* DOHLSTEN M.

TAGER J.M. *see* KWEKKEBOOM J.
TAIMI M., DEFACQUE H., COMMES T., FAVERO J., CARON E., MARTI J. & DORNAND J. Effect of retinoic acid and vitamin D on the expression of interleukin-1β, tumour necrosis factor-α and interleukin-6 in the human monocytic cell line U937, 229
TAM J.P. *see* NARDELLI B.
TAMURA K., WOO J., BAKRI M.T. & THOMSON A.W. Brequinar sodium inhibits interleukin-6-induced differentiation of a human B-cell line into IgM-secreting plasma cells, 587
TAN S.S., O'TOOLE E.M., KURTZ C.B. & WEIS J.H. Murine complement receptor gene expression: Cr2 gene transcripts are depressed during a high dose microbial challenge, 82
TANAKA K. *see* MAEDA Y.
TAVERNE J. *see* BATE C.A.W.
TAYLOR R.M.R *see* LIN Y.
TELFORD W.G. *see* GARVY B.A.
THEANDER T.G. *see* JAKOBSEN P.H.
THOMPSON H.S.G. *see* THOMPSON S.J.
THOMPSON S.J., THOMPSON H.S.G., HARPER N., DAY M.J., COAD A.J., ELSON C.J. & STAINES N.A. Prevention of pristane-induced arthritis by the oral administration of type II collagen, 152
THOMPSON A.W. *see* TAMURA K.
TIBERGHIEN F., PFLUMIO F., KUNTZ L. & LOOR F. Lack of transfer of *lpr*-type abnormalities (lymphoproliferation or lymphoid aplasia) in double congenic *nude beige* mice engrafted with *lpr* haematopoietic cells, 158
TIMONEN T. *see* MALYGIN A.M.
TSUCHIDA M. *see* MATSUMOTO Y.
TSUCHIYA S. *see* ARAMAKI Y.
TURNER K.J. *see* RICHARDSON D.R.

UMESAKI Y., SETOYAMA H., MATSUMOTO S. & OKADA Y. Expansion of $\alpha\beta$ T-cell receptor-bearing intestinal intraepithelial lymphocytes after microbial colonization in germ-free mice and its independence from thymus, 32

VAN DEN BERGH P., ROZING J. & NAGELKERKEN L. Identification of two moieties of β-endorphin with opposing effects on rat T-cell proliferation, 18
VAN EMST L. *see* CORNELISSEN J.J.
VAN HOVE L. *see* DE SMET W.
VANHOVE B. & BAZIN H. Differentiation of membrane IgE$^+$ rat B cells into IgE-secreting cells, 580
VERHAGEN A.M., BRANDON M.R. & NASH A.D. Characterization of the ovine interleukin-2 receptor-α chain: differential induction on pre-cultured $\alpha\beta$ and $\gamma\delta$ T cells, 471
VERHOEF J. *see* CORNELISSEN J.J.
VOLTARELLI J.C., GJERSET G. & ANASETTI C. Adhesion of CD16$^+$ K cells to antibody-coated targets is mediated by CD2 and CD18 receptors, 509
VOSS T. *see* BURNHAM K.

WAKS T. *see* GOROCHOV G.
WALKER W.A. *see* ISRAEL E.J.
see also SANDERSON I.R.
WALTER H. *see* DE SMET W.
WANG Y. *see* CALDER V.L.
see also HUEMER H.P.
WARD M.E. *see* STAGG A.J.
WATANABE H. *see* IKARASHI Y.
WATANABE T. *see* YAMASHITA T.
WATSON M.L. *see* COLLINS P.D.
WEERS P.M.M. *see* CORNELISSEN J.J.
WEG V.B. *see* COLLINS P.D.
WEIS J.H. *see* TAN S.S.
WHALEN M.M., DOSHI R.N., HOMMA Y. & BANKHURST A.D. Phospholipase C activation in the cytotoxic response of human natural killer cells requires protein–tyrosine kinase activity, 542
WHITING C.V. *see* BLAND P.W.
WILLIAMS T.J. *see* COLLINS P.D.
WILSON K.M., LABETA M.O., PAWELEC G. & FERNANDEZ N. Cell-surface expression of human histocompatibility leucocyte antigen (HLA) class II-associated invariant chain (CD74) does not always correlate with cell-surface expression of HLA class II molecules, 331
WILSON P.B. *see* BANSAL A.S.
WONG F.S. *see* HIBBERD M.L.
WOO J. *see* TAMURA K.
WOOD P.J. & COSSENS I.A. Loss of Th1-associated function in peripheral T cells but not thymocytes in tolerance to major histocompatibility complex alloantigen, 556
WOODROOFE M.N. *see* LOUGHLIN A.J.
WOZNIAK A., BETTS W.H., MURPHY G.A. & ROKICINSKI M. Interleukin-8 primes human neutrophils for enhanced superoxide anion production, 608

YACOUB M. *see* IBRAHIM L.
YAMADA T. *see* SAKAI T.
YAMASHITA T., WATANABE T., SAITO S., ARAKI Y. & SENDO F. *Schistosoma japonicum* soluble egg antigens activate naive B cells to produce antibodies: definition of parasite mechanisms of immune deviation, 189
YANG C. *see* KWOK A.Y.C.
YANG H. & BINNS R.M. CD44 is not directly involved in the binding of lymphocytes to cultured high endothelial cells from peripheral lymph nodes, 418
YANG J. *see* ROBICHON A.
YOKOCHI T. *see* ZHANG Y.H.

ZACH T.L. *see* HILL L.D.
ZAPATA A. *see* BAÑULS M.P.
ZHANG X.-Y. *see* MAEDA Y.
ZHANG Y.H., ISOBE K., NAGASE F., LWIN T., KATO M., HAMAGUCHI M., YOKOCHI T. & NAKASHIMA I. Glycyrrhizin as a promoter of the late signal transduction for interleukin-2 production by splenic lymphocytes, 528
ZHAO Z.S. *see* CALDER V.L.
ZHOU W. *see* SACKS S.H.
ZSEBO K.M. *see* NILSSON G.
ZU X. *see* KWOK A.Y.C.

Subject Index

Adhesion:
of thymocytes infected with *Listeria*, 196
Adhesion, lymphocyte:
to gingival fibroblasts through VLA integrins, 425
Alloantigen:
altered response to, 556
Anti-idiotype-based vaccine:
against ricin, 681
Anti-idiotypic immunization:
against endotoxin, 673
Anti-phospholipid antibodies:
in *Plasmodium falciparum*-infected individuals, 653
Apoptosis:
in mouse B-lineage lymphocytes, 270
Arthritis, pristane induced:
prevention by oral type II collagen, 152
Astrocytes:
role on activation of T cells in experimental autoimmune encephalomyelitis, 381
Autoimmune uveoretinitis:
effects of CD8 depletion, 255

B7 mRNA:
regulation in enterocytes and lymphoid cells, 434
B cells:
lack of presentation of particulate antigens, 69
B-cell adhesion:
induced by anti-CD40 antibody, 445
Brequinar sodium:
influence on B cells, 587
Brugia pahangi, infection:
modulation of immunity, 658

C3 expression by glomerular epithelial cells, 348
C3 synthesis:
effect of interferon-γ and dexamethasone on, 236
C3a anaphylatoxin receptor:
on guinea-pig macrophages, 633
CD40:
role in activation of human B cells, 439
CD44:
and binding of lymphocytes to cultured high endothelial cells, 418
CD46:
identification and quantification, 341
$CD8^+$ suppressor T cells:
induced by *Echinococcus*, 412
CD43-induced homotypic aggregation of monocytic and lymphoid cell lines, 46
Chlorpromazine:
effects on tumour, necrosis factor production, 217
CMRF-35 antigen:
expression, 55
Complement activation:
by lactoferrin-coated *Streptococcus agalactiae*, 648
CR2 gene transcripts:
depression during microbial challenge, 82

Dendritic cells, rat thymic:
analysis of cell-surface markers of, 298
Differentiation antigen, leucocyte B7/BB-1 on:
human dendritic cells, 616

β-Endorphin:
identification of moieties affecting T-cell proliferation, 18
Endotoxin:
activation of endothelium, 600

Epithelial cells, human lung, primary:
response to interferon-γ and cytomegalovirus, 119

Fc-receptor-mediated phagocytosis:
role of *N*-acetyl-β-D-galactosamine-specific lectin, 403

Gangliosides:
inhibition of T-cell proliferation, 10
Glycyrrhizin:
promoter of late signal transduction for interleukin-2 production, 528

Heat-stressed T cells:
extracellular matrix interaction, 241
Human immunodeficiency virus-infected patients:
relationship of antibodies against CD4 to markers of activation and progression, 248
HLA class II-associated invariant chain:
and expression of HLA class II molecules, 331
HLA B8-restricted influenza T-cell motif, 171

Idiotopes, cross-reactive:
among anti-foot and mouth disease virus antibodies, 368
IgE^+ B cells:
pre-commitment of, 580
IgG:
modulation of *in vitro* lymphokine synthesis, 211
Interleukin-1β and tumour necrosis factor-α:
effects on *Toxoplasma* replication, 336
Interleukin-2 production:
dissociation from cell activation, 491
Immune deviation, mechanisms:
in *Schistosoma* infection, 189
Immunoglobulin E uptake by alveolar macrophages and a lymphoblastoid cell line, 305
Immunoglobulin G binding sites:
on human foetal intestine, 77
Interferon-γ, human:
functional epitopes, 131
Interferon-γ receptor immunoadhesin, 594
Interleukin-2:
activation of MAP-kinase, 112
Interleukin-5:
role in eosinophilia induced by cyclophosphamide, 452
Interleukin-6:
production by lymphoid cells from murine spleen, 220
Interleukin-8:
induction of eosinophil accumulation, 312
priming of neutrophils for oxyradical production, 608
Interleukin-9:
potentiation of IL-4-induced immunoglobulin E and G1 from B cells, 146
Interleukin-2-activated effector lymphocytes:
mediation of cytotoxicity by apoptosis, 535
Intraepithelial intestinal lymphocytes, $\alpha\beta$:
expansion in germ-free mice, 32

K cells, $CD16^+$:
adhesion to antibody-coated targets mediated by CD2 and CD18 receptors, 509
Killer cells, non-major histocompatibility complex restricted:
in human cord blood, 506

Langerhans' cell depletion, requirements for:
following ultraviolet-B exposure of murine skin, 627

Langerhans' cell migration:
transduction signal by protein kinase C, 621
Large granular lymphocytes, $CD56^+$ $CD16^-$ $CD3^-$:
from duodenal mucosa, 498
Lipid-conjugated peptide:
induction of cellular immune responses, 355
lpr abnormalities, lack of:
in nude beige mice engrafted with *lpr* haematopoietic cells, 158

Macrophage colony-stimulating factor, from thymic myoid cells:
characterization, 103
Macrophages:
immunosuppression induced by, 95
Major histocompatibility complex class I antibodies to:
effects on T-cell activation, 263
Major histocompatibility complex class II expression in the gut of $I\text{-}E^k_\alpha$ transgenic mice, 107
Mast cells:
responsiveness to continuous antigen challenge, 319
Mast cells, foetal liver derived:
characterization, 325
Microglia:
modulation of major histocompatibility complex class II and Fc receptor expression, 125
Mls autoreactive T cells:
lifetime, 391
Molecular mimicry, of complementary proteins: by herpes simplex virus glycoprotein C, 639

Natural killer cell lysis:
of renal epithelium, 290
Natural killer cells:
protein–tyrosine kinase activity and phospholipase C activation, 542
Neurofilament expression:
in human T cells, 167
Nitric oxide synthase:
induction in murine macrophages, 408

Okadaic acid:
activation of ERK-2 in T cells, 24
Ovine interleukin-2 receptor-α chain expression, 471

Parainfluenza virus, type III:
suppression of lymphocyte proliferation, 179
Proliferating cell nuclear antigens and interleukin-2β receptors on stimulated lymphocytes, 465

Retinoic acid and vitamin D: effects on expression of cytokines, 229

Salmonella typhimurium infection:
specific and natural antibody production during, 375
Soluble CD23, serum:
in either enhanced cellular or humoral immunity, 285
Staphylococcal enterotoxin A in T-cell receptor Vβ3 transgenic mice, 520
Streptolysin O and M protein:
antibodies to, subclass, 89
Syncytiotrophoblast, human placental:
low-affinity receptors for tumour necrosis factor-α, interferon-γ and granulocyte–macrophage colony-stimulating factor, 485

T-cell activation: inhibition by anti-LFA-1 antibodies, 548
T-cell antigens from *Chlamydia trachomatis*, 513
T-cell receptor:
Vβ gene usage, 398
T-cell receptor γδ-expressing intraepithelial lymphocytes:
in human gingiva, 38
T-cell responses:
to synthetic peptides from HBsAg, 362
T-cell response, allergen-specific:
effect of interferon-γ, interleukin-4 and Ig receptor cross-linking, 174
to major outer membrane protein of *Chlamydia trachomatis*, 1
Tamm–Horsfall protein:
interaction with extracellular matrix, 203
Transforming growth factor-β1:
effect on allospecific cytotoxic T lymphocytes, 459
Transforming growth factor-β1-induced immunosuppression:
following haemorrhage, 479
Th2-like cells, rat:
generation *in vitro*, 562
Tumour necrosis factor induction, by toxic malaria antigens:
blocked by antibodies to phospholipids, 138

Urocanic acid, *cis*, in irradiated mice:
immunoassay, 667
Ultraviolet-β irradiation:
effects on corneal allografts, 278

Vasoactive intestinal peptide:
aggregation of Raji cells, 574
effects on human B cells, 64
V_H gene family use:
and origin of anti-mouse red blood cells, 568